ıĐ

TO/SB/05 (2/98) Please type a plus sign (+) inside this box → X Approved for use through 09/30/2000. OMB 0651-0032 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. Attorney Docket No. NAK1-AZ70a UTILITY First Inventor or Application Identifier Hidekazu TANIGAWAetal PATENT APPLICATION DATA COMMUNICATION SYSTEM... TRANSMITTAL Express Mail Label No. (Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)) EL063611145US Assistant Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: **Box Patent Application** See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 * Fee Transmittal Form (e.g., PTO/SB/17) Microfiche Computer Program (Appendix) (Submit an original and a duplicate for fee processing) 7. Nucleotide and/or Amino Acid Sequence Submission 0 Specification Total Pages 131 2. (if applicable, all necessary) (preferred arrangement set forth below) Computer Readable Copy - Descriptive title of the invention - Cross References to Related Applications b. Paper Copy (identical to computer copy) - Statement Regarding Fed sponsored R & D C. Statement verifying identity of above copies - Reference to Microfiche Appendix - Background of the Invention ACCOMPANYING APPLICATION PARTS - Brief Summary of the Invention Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) 37 C.F.R.§3.73(b) Statement - Detailed Description Power of Attorney (when there is an assignee) - Claim(s) English Translation Document (if applicable) - Abstract of the Disclosure Information Disclosure Copies of IDS 3. Drawing(s) (35 U.S.C. 113) Total Sheets 26 Statement (iDS)/PTO-1449 Citations **Preliminary Amendment** 4. Oath or Declaration (Copy) [Total Pages Return Receipt Postcard (MPEP 503) Newly executed (original or copy) (Should be specifically itemized) Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 17 completed) Small Entity Statement filed in prior application, Statement(s) [Note Box 5 below] Status still proper and desired (PTO/SB/09-12) **DELETION OF INVENTOR(S)** Certified Copy of Priority Document(s) Signed statement attached deleting 15. (if foreign priority is claimed) inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). 6. Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTIT copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28). application and is hereby incorporated by reference therein. 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment of prior application No: 08 867.344 Continuation Divisional Continuation-in-part (CIP) 2711 J. Miller Group / Art Unit: Prior application Information: Examiner 18. CORRESPONDENCE ADDRESS Correspondence address below ☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Joseph Name & UBELL PRICE. GESS 2100 S.E. Main St., Ste. **Address** $\overline{\mathsf{C}\mathsf{A}}$ Irvine Zip Code 92614 City State 949/261-90/2 949/261-8433 Country U.S.A. Fax Talephone

25,124 Joseph Sianature Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. comments on the amount of time //ou are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOTISEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents,

Registration No. (Attorney/Agent)

Name (Print/Type)

Box Patent Application, Washington, DC 20231.

BEST AVAILABLE COPY

PTO/SB/17 (2/98)

Patent and Tradertark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a vaid OHE control number.

FEE TRANSMITTAL

Patent less are subject to annual revision on October 1.

These are the less effective October 1, 1997.

Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity less must be paid. See Forms PTO/SE/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

	(\$)	2	,566		0	0
--	------	---	------	--	---	---

to the contract of the contrac		
Complete If Known		
Application Number		_
Filing Data		_
First Named Inventor	Hidekazu TANIGAWA et al	_
Examiner Name	I TANK TANK EL AL	
Group / Art Unit		-
Altomey Docket No.	NAK1-AZ70a	

METHOD OF PAYMENT (check one)	FEE CALCULATION (c	∞ntinued)			
The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Decodit The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:	3. ADDITIONAL FEES Large Entity Small Entity Fig. Fee Fee Fee Code (5) Code (5) Fee Description	on Fee Paid			
Account 16-2462	105 130 205 85 Surcharge - late filling fee or	oath Cath			
Deposit Account Name PRICE, GESS & UBELL	127 50 227 25 Surcharge - late provisional cover sheet	1 1			
Charge the latter Fee Set in 27 C.F.R. 5 1.18 at the Maring	139 130 139 130 Hon-English specification	1.			
37 C.F.R. § 1.18 at the Mailing of the Notice of Albertace	147 2,520 147 2,520 For filing a request for reexa	nobenim			
2. X Payment Enclosed:	112 920° 112 920° Requesting publication of SI Examiner action	R prior to			
™ Check	113 1,840° 113 1,840° Requesting publication of SI Examiner action	·			
FEE CALCULATION	115 110 215 55 Extension for reply within fin	1 1			
1. BASIC FILING FEE	118 400 218 200 Extension for reply within se	L			
	117 950 217 475 Extension for reply within thi	rd month			
Large Entity Small Entity Fee Fee Fee Fee Description Fee Paid	118 1,510 218 755 Extension by reply within for	וולה והסתלה			
Code (5) Code (5)	128 2,060 228 1,030 Extension for reply within fift	h month			
101 790 201 395 Utility filing fee \$760	119 310 219, 155 Notice of Appeal				
106 330 206 165 Design filing fee	120 310 220 155 Filing a brief in support of an	appeal			
107 540 207 270 Plant filing fee	121 270 221 135 Request for oral hearing				
108 790 208 395 Reissua filing fee	138 1,510 138 1,510 Petton to institute a public i	ise proceeding			
114 150 214 75 Provisional filing fee	140 110 240 55 Petition to revive - unavokial	de l			
SUBTOTAL (1) (\$) 760	141 1,320 241 860 Petition to revive - unintention	mal			
2. EXTRA CLAIM FEES	142 1,320 242 880 Utility have fee (or ressue)				
Fee from Extra Claims below Fee Paid	143 450 243 225 Design basue fee				
Total Claims 38 -20" = 18 X 18 = 324	144 870 244 335 Plant base fee				
Independent 22 - 3 = 19 × .78 = 1482	122 130 122 130 Petitions to the Commission	e			
Multiple Dependent	123 50 123 50 Petitions related to provision	al applications			
"or number previously paid, if greater, For Reissues, see below	128 240 128 240 Submission of Information D	iscosure Strat			
Large Entity Small Entity Fee Fee Fee Fee Fee Deacription Code (\$) Code (\$)	581 40 581 40 Recording each patent assign properly (times number of pr				
103 22 203 11 Claims in excess of 20	146 790 248 395 Filing a submission after fina	I rejection			
102 82 202 41 Independent claims in excess of 3	(37 CFR 1.125(a))				
104 270 204 135 Multiple dependent claim, if not paid	149 790 249 395 For each additional invention examined (37 CFR 1.129(b))	, as be			
109 82 209 41 Resiste independent claims over original patent	Other lee (specify)				
110 22 210 11 Resiste chains in emess of 20 and over original patent Other see (specify)					
SUBTOTAL (2) (\$) 1,806.00 Reduced by Basic Filtry Fee Paid SUBTOTAL (3) (5)					
SUBMITTED BY					

SUBMITTED BY	BMITTED BY		Complete (if applicable)	
Typed or Printed Name	Joseph W Frice	,	Reg. Number	25,124
Signature	July -	Date 4/1/99	Deposit Account User ID	

Burden Hour Statement. This form a estimated to take 0.2 hours to complete. Take will vary depending upon the needs of the individual case. Any comments on the arround of type you are required to complete this form should be sent to the Crief information Officer, Patient and Trademark Officer, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patients, Washington, DC 20231.

JOSEPH W. PRICE ALBIN H. GESS FRANKLIN D. UBELL DOYLE B. JOHNSON MICHAEL J. MOFFATT GORDON E. GRAY III BRADLEY D. BLANCHE

PRICE, GESS & UBELL

ATTORNEYS AT LAW

2100 S.E. MAIN STREET, SUITE 250

IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION TELEPHONE: (949) 261-8433 FACSIMILE: (949) 261-9072 FACSIMILE: (949) 261-1726

e-mail: pgu@ix.netcom.com

DRAWINGS (26 SHEETS)



Inventor(s):

Hidekazu TANIGAWA et al

Title:

DATA COMMUNICATION SYSTEM, DATA TRANSMITTING APPARATUS

AND DATA RECEIVING APPARATUS

Attorney's

Docket No.: NAK1-AZ70a

EXPRESS MAIL LABEL NO. EL063611145US

DATE OF DEPOSIT: April 1, 1999

JOSEPH W. PRICE ALBIN H. GESS FRANKLIN D. UBELL DOYLE B. JOHNSON MICHAEL J. MOFFATT GORDON E. GRAY III BRADLEY D. BLANCHE

PRICE, GESS & UBELL

ATTORNEYS AT LAW

2100 S.E. MAIN STREET, SUITE 250

IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION
TELEPHONE: (949) 261-8433

TELEPHONE: (949) 261-8433 FACSIMILE: (949) 261-9072 FACSIMILE: (949) 261-1726

e-mail: pgu@ix.netcom.com



PRELIMINARY AMENDMENT

Inventor(s):

Hidekazu TANIGAWA et al

Title:

DATA COMMUNICATION SYSTEM, DATA TRANSMITTING APPARATUS

AND DATA RECEIVING APPARATUS

Attorney Docket No. NAK1-AZ70a

EXPRESS MAIL LABEL NO. EL063611145US

DATE OF DEPOSIT: April 1, 1999



2100 S.E. MAIN STREET, SUITE 250

IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION TELEPHONE: (714) 261-8433 FACSIMILE: (714) 261-9072

FACSIMILE:

(714) 261-1726

e-mail: pgu@ix.netcom.com

(COPY)

Inventor(s):

Hidekazu TANIGAWA et al

Title:

JOSEPH W. PRICE

FRANKLIN D. UBELL

MICHAEL J. MOFFATT

GORDON E. GRAY III

STEFAN J. KIRCHANSKI, Ph.D. DOYLE B. JOHNSON

ALBIN H. GESS

DATA COMMUNICATION SYSTEM, DATA TRANSMITTING APPARATUS

AND DATA RECEIVING APPARATUS

Attorney's

Docket No.: NAK1-AZ70a

"Express Mail" mailing label No. EL063611145US Date of Deposit: April 1, 1999





JOSEPH W. PRICE ALBIN H. GESS FRANKLIN D. UBELL STEFAN J. KIRCHANSKI, Ph.D. DOYLE B. JOHNSON MICHAEL J. MOFFATT GORDON E. GRAY III

2100 S.E. MAIN STREET, SUITE 250

IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION TELEPHONE: (714) 261-8433

(714) 261-9072 FACSIMILE: FACSIMILE: (714) 261-1726

e-mail: pgu@ix.netcom.com

SPECIFICATION, CLAIMS AND ABSTRACT



Inventor(s):

Hidekazu TANIGAWA et al

Title:

DATA COMMUNICATION SYSTEM, DATA TRANSMITTING APPARATUS

AND DATA RECEIVING APPARATUS

Attorney's

Docket No.: NAK1-AZ70a

"Express Mail" mailing label No. EL063611145US Date of Deposit: April 1, 1999

PRICE, GESS & UBELL

ATTORNEYS AT LAW

2100 S.E. MAIN STREET, SUITE 250

IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION

TELEPHONE: (714) 261-8433 FACSIMILE: (714) 261-9072

e-mail: pgu@ix.netcom.com



FACSIMILE:



(714) 261-1726

INFORMATION DISCLOSURE STATEMENT (FORM PTO-1449 with References

Inventor(s):

Hidekazu TANIGAWA et al

Title:

JOSEPH W. PRICE

FRANKLIN D. UBELL

MICHAEL J. MOFFATT GORDON E. GRAY III

STEFAN J. KIRCHANSKI, Ph.D. DOYLE B. JOHNSON

ALBIN H. GESS

DATA COMMUNICATION SYSTEM, DATA TRANSMITTING APPARATUS

AND DATA RECEIVING APPARATUS

Attorney's

Docket No.: NAK1-AZ70a

. * *** . . .

"Express Mail" mailing label No. EL063611145US

Date of Deposit: April 1, 1999